

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1 – 16. (Canceled)

17. (Currently Amended) A process for the production of a curved laminated glass pane comprising a first glass sheet glazing and a second corresponding glass sheet glazing, together with an interlayer comprising at least one bioriented thermoplastic functional layer and at least one layer of a bonding resin, such process comprising the steps of:

thermoforming on a mould said at least one bioriented thermoplastic functional layer, together with at least one layer of a bonding resin adhered to said at least one bioriented thermoplastic functional layer, in a configuration substantially corresponding to the end shape of said curved laminated glass pane;

positioning said interlayer between the two glass glazings and applying pressure and heat to form a laminated glazing showing an end shape with one or more curvatures; and [[.]]

wherein, before the thermoforming step, said at least one bioriented thermoplastic functional layer and at least one layer of a bonding resin are heated and, during such heating, a hot air jet is injected from the bottom so as to effect a pretensioning of said at least one functional layer and then, after the thermoforming

step and before said positioning said interlayer between the two glass glazings, said at least one functional layer and said ~~suitable layers~~ at least one layer of a bonding resin are cooled by forced draught, whereby the shape of said at least one functional film is frozen.

18. (Currently Amended) A process according to claim 17, wherein said interlayer comprises two bonding resin layers, intended to be positioned into contact with distinct glass sheets glazings, each adhered to the opposite side of one functional layer.

19. (Previously Presented) A process according to claim 17, wherein said interlayer comprises one functional layer, and a corresponding one bonding resin layer, adhered to one face of the functional layer, the functional layer comprising, along its whole edge a pre-cut peripheral portion, apt to be removed in a subsequent step.

20. (Previously Presented) A process according to claim 19, wherein, before the thermoforming and the cooling steps, said interlayer is cold-stamped in a configuration substantially corresponding to the end shape of the curved laminated glass pane to be manufactured.

21. (Previously Presented) A process according to claim 20, wherein, in

the thermoforming step, vacuum is applied to the interlayer to make it adhere to the mould with the functional layer adherent to the mould surface.

22. (Previously Presented) A process according to claim 19, wherein, in the positioning step, the shaped interlayer is positioned over one glass glazing, with the bonding resin layer is applied to the glass surface.

23. (Previously Presented) A process according to claim 22, wherein said one glass glazing is intended to be at the internal side of the final glass pane.

24. (Previously Presented) A process according to claim 23, wherein said pre-cut portion is peeled off when the interlayer has been positioned over said one glass glazing, whereby the outer edge of the functional layer remains to a certain distance from the edge of said one glazing.

25. (Previously Presented) A process according to claim 24, wherein, in the positioning step, a further bonding resin layer is applied at least on the exposed functional layer surface, and a second glass glazing is positioned on it, the shape thereof perfectly matching with the shape of said one glazing and of the interlayer covered by said additional bonding resin layer.

26. (Previously Presented) A process according to claim 17, wherein,

before the thermoforming and the cooling steps, said interlayer is cold-stamped in a configuration substantially corresponding to the end shape of the curved laminated glass pane to be manufactured.

27. (Previously Presented) A process according to claim 17 wherein said bonding resin is polyvinylbutyral (PVB).

28. (Previously Presented) A process according to claim 17 wherein the glass pane is a curved glass pane having a cross curvature of at least 5.0 mm.

29. (Previously Presented) A process according to any claim 17 wherein the glass pane is a curved glass pane wherein at least a part of the curved surface has a radius of less than 10000 mm.

30. (Previously Presented) A process according to claim 17 wherein said functional layer comprises a film in polyethylene terephthalate with one or more filtering and/or reflecting sub-layers adhered thereto.

31. (Previously Presented) A process according to claim 17 wherein in the thermoforming the heating temperature is set at 130°C +/- 30°C.

32. (Previously Presented) A process according to claim 17 wherein in the thermoforming there is employed a temperature detection system with use of an infrared pyrometer with a wavelength sensor which detects the temperature rise of said at least one bioriented thermoplastic functional film and said suitable layers of a bonding resin and, as soon as the temperatures reaches the preset value, activates a system that interrupts the heating.

33. (Previously Presented) A process according to claim 19, wherein, in the thermoforming step, vacuum is applied to the interlayer to make it adhere to the mould with the functional layer adherent to the mould surface.

34. (Previously Presented) A process according to claim 20, wherein, in the positioning step, the shaped interlayer is positioned over one glass glazing, with the bonding resin layer is applied to the glass surface.

35. (Previously Presented) A process according to claim 21, wherein, in the positioning step, the shaped interlayer is positioned over one glass glazing, with the bonding resin layer is applied to the glass surface.

36. (Previously Presented) A process according to claim 22, wherein said pre-cut portion is peeled off when the interlayer has been positioned over said one glass glazing, whereby the outer edge of the functional layer remains to a certain

distance from the edge of said one glazing.

37. (New) A process for the production of a curved laminated glass pane comprising a first glass glazing and a second corresponding glass glazing, together with an interlayer comprising at least one bioriented thermoplastic functional layer and at least one layer of a bonding resin adhered to the at least one bioriented thermoplastic functional layer, the process comprising:

contacting the at least one functional layer with a mould so as to thermoform, on the mould, the at least one functional layer together with the at least one layer of a bonding resin, in a configuration substantially corresponding to an end shape of the curved laminated glass pane;

positioning the interlayer between the two glass glazings and applying pressure and heat to form a laminated glazing showing the end shape; and

prior to contacting the at least one functional layer with the mould, heating the at least one functional layer while injecting hot air so as to effect a pretensioning of the at least one functional layer.